

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-26. (cancelled)

27. (Currently Amended) A method for transmitting information via a packet-oriented communication network, comprising:

inserting the information that is to be transmitted as payload into a payload-field of a data packet of the packet-oriented communication network;

inserting target information into the data packet;

assigning routing information to the information which is to be transmitted prior to the insertion into the payload-field of the data packet for an onward transmission;

adding an information field to the payload to identify over which subscriber information line the payload is to be transmitted;

transmitting the data packet, the information inserted into the data packet, and the assigned routing information to a target represented by the target information of the data packet in the packet-oriented communication network; and

forwarding the information transmitted to the target in accordance with the assigned routing information.

28. (previously presented) The method according to Claim 27, wherein the information inserted into the payload-field of the data packet is assigned to at least one virtual connection made at least partially via the packet-oriented communication network.

29. (previously presented) The method according to Claim 27, wherein the information transmitted to the target in the packet-oriented communication network is replicated according to the routing information and the replicated information is then forwarded.

30. (currently amended) The method according to Claim 27, wherein

the information to be transmitted is a component of at least one data cell of a cell-oriented communication network, wherein

~~prior to the insertion into the payload-field of the at least one data packet a further information field where the routing information can be inserted is added to the at least one data cell, wherein~~

the at least one data cell transmitted to the at least one target in the packet-oriented communication network is forwarded to/via the cell-oriented communication network according to the assigned routing information.

31. (currently amended) The method according to Claim 30, wherein before the at least one data cell is forwarded to/via the cell-oriented communication network the ~~further~~ information field is removed.

32. (previously presented) The method according to Claim 30, wherein an item of information representing the number of data cells inserted into the payload-field of the data packet is inserted into the data packet.

33. (previously presented) The method according to Claim 30, wherein the cell-oriented communication network is designed according to the asynchronous transfer mode.

34. (previously presented) The method according to Claim 27, wherein the packet-oriented communication network is designed according to the standard IEEE 802.3.

35. (previously presented) The method according to Claim 33, wherein the routing information includes further information for identifying an ATM service class.

36. (currently amended) A communication system for transmitting information at least partially via a packet-oriented communication network, wherein the packet-oriented communication network comprises mechanisms for inserting the information as payload into a payload-field of at least one data packet of the packet-oriented communication network, and for inserting target

information into the at least one data packet, the communication system comprising:

a mechanism assigned to the insertion mechanisms for assigning ~~additional~~ routing information to the information that is to be inserted into the payload-field of the at least one data packet, wherein

the packet-oriented communication network is ~~designed in~~ configured such a way that the at least one data packet and the information inserted into it together with the routing information assigned in each case are transmitted to at least one target represented by the target information of the data packet in the packet-oriented communication network, and wherein

at each such target, switching mechanisms are provided, by which the information transmitted to the target is forwarded in accordance with the routing information assigned in each case.

37. (currently amended) The communication system according to Claim 36, wherein

the information to be transmitted is a component of at least one data cell of a cell-oriented communication network, wherein

~~the mechanisms for inserting and the mechanisms for assigning are designed in such a way that prior to the insertion into the payload-field of the data packet an additional information field where the routing information can be inserted is added to the at least one data cell, wherein~~

the switching mechanisms are designed in such a way that the at least one data cell transmitted to the target in the packet-oriented communication network is forwarded to/via the cell-oriented communication network according to the routing information assigned in each case.

38. (previously presented) The communication system according to Claim 37, wherein before the at least one data cell is forwarded to/via the cell-oriented communication network the additional information field is removed.

39. (previously presented) The communication system according to Claim 37, wherein the switching mechanisms are designed in such a way that an item of information representing the number of data cells inserted into the payload-field of the at least one data packet is inserted into the data packet.

40. (previously presented) The communication system according to one of the Claim 37, wherein the cell-oriented communication network is designed according to the asynchronous transfer mode.

41. (previously presented) The communication system according to Claim 36, wherein the packet-oriented communication network is designed according to the standard IEEE 802.3.

42. (Currently amended) A communication device for transmitting information via a packet-oriented communication network located in the communication device, the communication device having insertion mechanisms for inserting the information that is to be transmitted as payload into a payload-field of at least one data packet of the packet-oriented communication network, and for inserting target information into the at least one data packet, wherein the communication device comprising:

assignment mechanisms which are assigned to the insertion mechanisms ~~are provided~~ for the purpose of assigning ~~in each case~~ additional routing information to the information that is to be inserted into the payload-field of the at least one data packet, wherein

the communication network is designed in such a way that

the at least one data packet and the information inserted into it together with the additional routing information assigned in each case are transmitted within the communication device to at least one target represented by the target information of the at least one data packet, and that

in the communication device switching mechanisms assigned to each such target are provided, by which the information transmitted to the target is forwarded in accordance with the additional routing information assigned ~~in each case~~.

43. (Currently amended) A communication device according to Claim 42, wherein

the information to be transmitted is a component of at least one data cell of a cell-oriented communication network, wherein

~~the insertion mechanisms and the assignment mechanisms are designed in such a way that prior to the insertion into the payload field of the at least one data packet, an additional~~

~~information field where the routing information can be inserted is added to the at least one data cell, wherein~~

the switching mechanisms are designed in such a way that the at least one data cell transmitted to the at least one target in the packet-oriented communication network is forwarded to/via the cell-oriented communication network according to the routing information assigned in each case.

44. (previously presented) A communication device according to Claim 43, wherein the switching mechanisms are designed in such a way that before the at least one data cell is forwarded to/via the cell-oriented communication network the additional information field is removed in each case.

45. (previously presented) A communication device according to Claim 42, wherein at least one connection unit or central unit located in the communication device and including the respective switching mechanisms is represented by the target information of the at least one data packet.

46. (previously presented) A communication device according to Claim 42, wherein the additional routing information represents at least one subscriber connection line connected to the respective connection unit, or at least one connection port assigned to the respective connection unit.

47. (previously presented) A communication device according to Claim 43, wherein the cell-oriented communication network is designed according to the asynchronous transfer mode.

48. (previously presented) A communication device according to Claim 42, wherein the packet-oriented communication network is designed according to the standard IEEE 802.3.

49. (previously presented) A communication device according to Claim 47, wherein the routing information includes information for identifying an ATM service class, wherein a

corresponding queue located on the appropriate connection unit is assigned to each ATM service class concerned.